

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN THE APPLICATION OF:

CONFIRMATION NO.: 5979

THOMAS J. LECK ET. AL.

CASE NO.: FL1081USNA

APPLICATION NO.: 10/638230

GROUP ART UNIT: 1751

FILED: AUGUST 07, 2003

EXAMINER: UNASSIGNED

FOR: REFRIGERANT COMPOSITIONS COMPRISING  
PERFORMANCE ENHANCING ADDITIVES

**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In compliance with 37 CFR 1.97 and 1.98, Applicants bring to the attention of the U.S. Patent and Trademark Office the documents listed on the enclosed PTO/SB/08A and PTO/SB/08B forms. Copies of the cited documents listed on Form 08A under the Foreign Patent Documents section, and cited documents listed on Form 08B are enclosed.

An Office Action on the merits has not been issued so it is believe a fee is not due for the submission of this document. Should any fee be required in connection with the filing of this Information Disclosure Statement, please charge such fee to Deposit Account No. 04-1928 (E. I. du Pont de Nemours and Company).

Respectfully submitted,

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Dated: February 27, 2004



Substitute for Form 1449/APTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 2

### Complete if Known

Application Number	10/638,230
Filing Date	August 7, 2003
First Named Inventor	Thomas J. Leck et al.
Group Art Unit	1751
Examiner Name	Unassigned
Attorney Docket Number	FL-1081 US NA

### U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. <sup>1</sup>	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)				
		US - 2002/0013233 A1		01-31-2002	Corr et al.	
		US - 2001/0019120 A1		09-06-2001	Schnur et al.	
		US - 6,362,139 B1		03-26-2002	Sgarbi et al.	
		US - 5,987,902		11-23-1999	Scaringe et al.	
		US - 5,866,030		02-02-1999	Reyes-Gavilan et al.	
		US - 5,826,436		10-27-1998	Scaringe et al.	
		US - 5,194,171		03-16-1993	Jolley	
		US - 4,963,280		10-16-1990	Wilkins et al.	
		US - 4,755,316		07-05-1988	Magid et al.	
		US - 4,428,554		01-31-1994	Hartman	
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### FOREIGN PATENT DOCUMENTS

Examiner Initials *	Cite No. <sup>1</sup>	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sub>6</sub>
		Country Code <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
		EP	881278 A1		02-12-1998	Japan Energy Corporation		<input type="checkbox"/>
		EP	612839 A1		08-31-1994	Lubrizol Corporation		<input type="checkbox"/>
		EP	612835 B1		08-31-1994	Idemitsu Kosan Company		<input type="checkbox"/>
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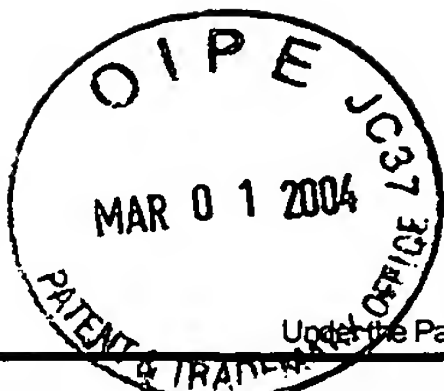
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Date  
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\* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the tow-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		<b>Complete if Known</b>			
		Application Number	10/638,230		
		Filing Date	August 7, 2003		
		First Named Inventor	Thomas J. Leck et al.		
		Group Art Unit	1751		
		Examiner Name	Unassigned		
Sheet	2	of	2	Attorney Docket Number	FL-1081 US NA

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		Lawrence R. Grzyll et al., "A Performance-Enhancing Additive for Vapor-Compression Heat Pumps: Additional Test Results", <u>Proc. Int'l Conference on Refining @ Purdue</u> , pp. 547-553, 2000.	<input type="checkbox"/>
		Hsinheng Li et al., "Development of a POE Lubricant for Rotary Compressors Using HFC Refrigerants", <u>Proc. of the Int'l Refrig. Conf. @ Purdue, 7<sup>th</sup></u> , pp. 373-378, 1998.	<input type="checkbox"/>
		Lawrence R. Grzyll et al., "The Development of a Performance-Enhancing Additive for Vapor-Compression Heat Pumps", <u>Proc. 32<sup>nd</sup> IECEC</u> , vol. 2, pp. 1252-1257, 1997.	<input type="checkbox"/>
		Spyros I. Tseregounis et al., "Solubility of HFC-134a Refrigerant in Glycol-Type Compounds: Effects of Glycol Structure", <u>AIChE Journal</u> , April, 1994, vol. 40, no. 4, pp. 726-737.	<input type="checkbox"/>
		Thomas E. Rajewski et al., "Lubricants for Environmentally Friendly Refrigeration Applications", <u>Int'l Symp. on Fuels &amp; Lubricants, Symp. Papers, 2<sup>nd</sup></u> , vol. 2, pp. 767-774, 2000.	<input type="checkbox"/>
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Examiner Signature		Date Considered	
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10/638,230  
FL-1081 US NA

Information Disclosure Statement

PTO/SB/08A Form

PTO/SB/08B Form

Copies of three references cited on 08A Form (Foreign Patent Documents section)

Copies of five references cited on 08B Form

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